Title (en)
Attenuated microorganisms for the treatment of infection

Title (de)
Abgeschwächte Mikroorganismen für die Behandlung von Infektionen

Title (fr)
Microorganismes attenués pour le traitement de l'infection

Publication
EP 1702927 B1 20100217 (EN)

Application
EP 06012488 A 20000509

Priority
• EP 00927538 A 20000509
• GB 9910812 A 19990510

Abstract (en)
[origin: WO0068261A2] A *Salmonella* microorganism has an attenuating mutation which disrupts the expression of an apparatus gene located within the Spi2 pathogenicity island, and an auxotrophic mutation. The microorganism therefore has a double mutation which helps prevent reactivity of the microorganism while maintaining the effectiveness of the microorganism to elicit an immune response.

IPC 8 full level
C07K 14/255 (2006.01); **A61K 35/74** (2006.01); **C12N 15/09** (2006.01); **A61K 39/112** (2006.01); **A61K 48/00** (2006.01); **A61P 31/04** (2006.01); **A61P 43/00** (2006.01); **C12N 1/21** (2006.01); **C12N 15/31** (2006.01); C12R 1/42 (2006.01)

CPC (source: EP KR US)
A61P 31/04 (2018.01 - EP); **A61P 31/12** (2018.01 - EP); **A61P 43/00** (2018.01 - EP); **C07K 14/255** (2013.01 - EP US); **C12N 1/20** (2013.01 - KR); **C12N 1/205** (2021.05 - EP US); A61K 2035/11 (2013.01 - EP US); A61K 2039/522 (2013.01 - EP US); C12R 2001/42 (2021.05 - EP US); Y02A 50/30 (2018.01 - EP US)

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WO 0068261 A2 20001116; **WO 0068261 A3 20010208**; AP 1470 A 20050926; AP 2001002317 A0 20011231; AT E346090 T1 20061215; AT E457998 T1 20100315; AU 4593200 A 20001121; AU 763898 B2 20030731; BR 0010418 A 20030722; BR 0010418 B1 20130416; BR PI0010418 B8 20210525; CA 2372553 A1 20001116; CA 2372553 C 20110927; CN 1177863 C 20041201; CN 1360594 A 20020724; CY 1107656 T1 20130418; CZ 20014030 A3 20020612; CZ 301926 B6 20100804; DE 60031974 D1 20070104; DE 60031974 T2 20070315; DE 60043868 D1 20100401; DK 1183269 T3 20070402; EA 004921 B1 20041028; EA 200101187 A1 20020425; EP 1183269 A1 20020306; EP 1183269 B1 20061122; EP 1702927 A1 20060920; EP 1702927 B1 20100217; ES 2277591 T3 20070716; GB 9910812 D0 19990707; HU P0201117 A2 20020828; HU P0201117 A3 20040128; IL 146255 A0 20020725; IL 146255 A 20081126; IL 186993 A 20100217; JP 2003509008 A 20030311; JP 4583607 B2 20101117; KR 100680391 B1 20070208; KR 100811319 B1 20080307; KR 20020018193 A 20020307; KR 20060101563 A 20060925; MA 25411 A1 20020401; MX PA01011477 A 20020604; NO 20015464 D0 20011108; NO 20015464 L 20011108; NO 329520 B1 20101101; NZ 539260 A 20070126; OA 11940 A 20060412; PL 354355 A1 20040112; PT 1183269 E 20070228; TR 200702949 T2 20070821; US 2004191866 A1 20040930; US 2008274139 A1 20081106; US 6756042 B1 20040629; US 7211264 B2 20070501; US 7887816 B2 20110215; ZA 200108912 B 20021224

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GB 0001749 W 20000509; AP 2001002317 A 20000509; AT 00927538 T 20000509; AT 06012488 T 20000509; AU 4593200 A 20000509; BR 0010418 A 20000509; CA 2372553 A 20000509; CN 00808419 A 20000509; CY 061101836 T 20061221; CZ 20014030 A 20000509; DE 60031974 T 20000509; DE 60043868 T 20000509; DK 00927538 T 20000509; EA 200101187 A 20000509; EP 00927538 A 20000509; EP 06012488 A 20000509; ES 00927538 T 20000509; GB 9910812 A 19990510; HU P0201117 A 20000509; IL 14625500 A 20000509; IL 14625501 A 20011031; IL 18699307 A 20071029; JP 2000616235 A 20000509; KR 20017014154 A 20011106; KR 20067018279 A 20060907; MA 26404 A 20011109; MX PA01011477 A 20000509; NO 20015464 A 20011108; NZ 53926000 A 20000509; OA 1200100295 A 20000509; PL 35435500 A 20000509; PT 00927538 T 20000509; TR 200702949 T 20000509; US 56960100 A 20000509; US 70121407 A 20070201; US 82205304 A 20040408; ZA 200108912 A 20011029